evious surment		Present Measurement			Total up-to date		Remarks
	cost	Qty	Rate	Cost	Qty	cost	
	–	129.60	172.78	22392.29	129.60	22392.29	
	–	53.25	259.70	13829.03	53.25	13829.03	
	–	182.85	76.79	14041.05	182.85	14041.05	
	–	31.88	4757.28	151662.09	31.88	151662.09	
	–	29.74	5952.96	177041.03	29.74	177041.03	
	–	24.12	3610.36	87081.88	24.12	87081.88	
	–	8.46	4458.36	37717.73	8.46	37717.73	
	–	37.60	90.10	3387.76	37.60	3387.76	
	–	43.20	116.60	5037.12	43.20	5037.12	
	–	46.08	874.50	40296.96	46.08	40296.96	
	–	62.00	975.20	60462.40	62.00	60462.40	
	–	5.69	7690.09	43756.61	5.69	43756.61	
	–	208.50	140.98	29394.33	208.50	29394.33	
	–	208.50	79.50	16575.75	208.50	16575.75	
	–	7046.18	116.60	821584.59	7046.18	821584.59	
	–	225.00	816.20	183645.00	225.00	183645.00	
	–			0.00	0.00	0.00	
	–	6	160.00	960.00	6.00	960.00	
	–	6	245.00	1470.00	6.00	1470.00	
	–	10	345.00	3450.00	10.00	3450.00	
	–	12	45.00	540.00	12.00	540.00	
	–	12	43.00	516.00	12.00	516.00	
	–	6	18.00	108.00	6.00	108.00	

Description of work	Previous measurment cost
DEEP Junction Box a) 18/20 mm deep junction box	–
32.Supplying and fixing metal fan box with round hook (32/11)	–
Supplying and flush mounting teak wooden box with out front plank made of not less than 12mm thick wood after due gro cutting necessary masonry patch work complete. (6/3) b) 12"x9"x3" (300x228x76mm)	–
Supplying and fixing of modular switch/Scocket/stepped electronic fan regulator/dimmer/telephone socket etc on exis modular switch plate. II using group B" Meterial (8/18) e) 600 watts dimmer	–
g) 16 Amps one way switch	–
J) 6/16 Amps Universal Socket	–
Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulators etc., and fixing on existing wooden metal box using N.F Screws. (22/10)	–
Supplying surface mounted type mirror optic luminaries for single/twin 36/40 watts fluorescent lamps cross rising of sh nameled deep coloured M:S.low profile housing complete with all accessories and high purity anodized aluminium reflec ssembling along with cross louvers including necessary fluorescent tubes with Energy saving Electronic Ballest Etc. comple et II 2x4' 36/40 watts B) group B' (5/17)	–
pplying capacitor type celing fan complete with dawn blades,shackle,canopies etc for operation on 230 Volts, 50 cycles,single phase A pply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved 1 48" Sweep(1200 mm egular Model (23/23)	–
pplying exhaust fan of 1440 RPM of 300mm (12") size with bracket blades complete for e for light duty suitable for operate on 230 V 50 H Supply.. a) Group A' (21/22)	–
pply patty type fluorescent tube light fitting of 4-36/40 watts flourescent tube fitting,made out of M.S sheet and stove eanmeled with low loss en construction copper wound ferromagnetic ballast, strter,locking type prass contact holders mounted on double fold type sheet base fi ed for use on 230 volts A C supply including 1NO 4-36/40 watts fluorescent tube.) (2/16) Group A	–
ng all types and all capacities fluorescent/false celing/spot light/CFL fitting indoor on the wall/ celing/rafters/griders using 23/0.0076 inch ted PVC insulated wires,required nos of blocks and clamps(if required) a) On wall/ ceiling/ Rafter/Griders (7/29)	–
ng one ceiling/wall mounting fan of all capacities and all types to the exiting S hook with fan regular to the exiting board together wi plying and fixing a 5 ampers ceiling rose,necessary langth of 23/0.0076 inch PVC insulated twin twisted copper wire and wiring complete 9)	–
g one exhaust fan in the nitch already left in the wall with bolts and nuts 5 amps ceiling rose with sufficient length of 23/0.0076 inch PVC ated twin core wire of apporoved Make (12/29)	–
plying,fixing wiring earth electrode for grouding conduits. I.C cutouts and other equipment on the meter board using 40mm dia 2.90 thick mtrlong buried in a pit should be filled with equal proporation of salt and charcoal 150mm alround the pipe to complete depth. The ction from the pipe to the conduit etc is to be established throughGI wire of size as oer ISI specifications 7.33 of IS 732 using 12mm dia nuts,washers and checknutsetc,the pipe shall have 16 through holes 12mm dia (68/01)	–
ng and mixing miniature circuit breakers on exiting MCB distribution boards using necessary fixing materials and C type curve,indicating FF energy cross-3 with short circuit breaking capacity of 10k and complete wiring as required. a) 32 Amps SP 1)Group A (12/36)	–
y meter box. Supply and instalation/fixing/ provision of outdoor type thermoplastic modular panel enclousers with transparent rbonate lid shock proof,coreosion proof having internally embedded gasket on both lid and flap suitable to fix. Single phase/three phase meter in suitable base plate and having a provision fo fuse/ MCB cutout with suitable transperent hinged flap opening for operating MCB with complete tamper proof SEALING facility. a) 300 x 300 x 214 mm (40/42)	–
ying of LT UG cable having aluminium conductor PVC insulated,sheathed,galvanized,steel wire/steel tap armoured cable VC outer sheathing 1.1KV class A PVC Cabled)4 core 16 sqmm (68/04)	–
r charges for laying of 1.1KV Class UG cable in existing trench GI pipe stoneware pipe/on wall/on pole as required n to 16 10 sqmm (5/69)	–
g of trench of 0.6mm deep * 0.50 mtr wide refilling the trench to the required ground level and consolidating etc ete.(As per Civil SR KSRB 1-2p-7)a. in Ordinary soil (6/70)	–
ing and fixing of class A (medium duty) GI pipe of wall thick ness not lessthan 3.25mm on pole/wall/drain crossing etc ary clamping arrangements for UG cable of 1.1 KV class B.50 mm (9/70)	–
g and fixing L.T cast Iron Pot Heads suitable for 1.1KV class UG cable filled with Necessary bitumen/insulating und complete with erminals,clamps,bolts,nuts and washers etc,. b. 16 Sqmm (10/70)	–

cates:

ove work is done satisfactorily and complete in all respect.
s no department Material issue for the above work.
rks comes under BBMP Limit.

11% K

Original/Duplicate/Triplicate

ent	Present Measurement			Total up-to date		Remarks
cost	Qty	Rate	Cost	Qty	cost	
–	12	29.00	348.00	12.00	348.00	
–	6	72.00	432.00	6.00	432.00	
–	4	80.00	320.00	4.00	320.00	
–	6	390.00	2340.00	6.00	2340.00	
–	6	115.00	690.00	6.00	690.00	
–	6	170.00	1020.00	6.00	1020.00	
–	1300	0.22	286.00	1300.00	286.00	
–	6	2500.00	15000.00	6.00	15000 00	
–	4	1800.00	7200.00	4.00	7200.00	
–	4	1250.00	5000.00	4.00	5000.00	
–	4	360.00	1440.00	4.00	1440.00	
–	8	105.00	840.00	8.00	840.00	
–	6	105.00	630.00	6.00	630.00	
–	2	310.00	620.00	2.00	620.00	
–	4	1950.00	7800.00	4.00	7800.00	
–	4	195.00	780.00	4.00	780.00	
–	3	3055.00	9165.00	3.00	9165.00	
–	10	150.00	1500.00	10.00	1500.00	
–	10	8.00	80.00	10.00	80.00	
–	10	40.00	400.00	10.00	400.00	
–	10	260.00	2600.00	10.00	2600.00	
–	10	260.00	2600.00	10.00	2600.00	
			1776003		**1776003**	
11% KRIDL charges			**195360**		**195360**	
Total			~~**1971363**~~		~~**1971363**~~	

1971360/-

1971360/-

Ramesh

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

No 1st & Final Date.....2018

Division: **BBMP / YNK** Sub-Division: **Yelahanka Sub – Division.**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Work Code: 002-17-000038.**

Schedule Docket No. Head of Account: Est.Cost: **19.90** Lakhs B.R.No. :

Name of Work : Construction of Samudaya Bhavana near Manavarthi thota at pump house in ward no – 02 of yelahanka Sub division.

Name of Contractor and Full Address: **Technical Manager (West) KRIDL, BBMP, Bangalore.**

Reference to Agreement No. EE/YNK.D/ W.O/ 124 /2014-15. Date: 13-3-2015

Certified that the measurements were taken by me on 31/08/18 and recorded of Pages 243 to 289 measurement Book No. 4643 and that the work is satisfactorily executed.

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Contractor's Officer-in-charge of work

Certified that the measurement were taken by me on 31/08/18 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	
2) Deduct amount to be held in reserve being .....percent Rs.....	
3) " Balance	
4) Deduct Payment:	
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of	
b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work . Amount paid on this bill Cheque / Cash.	
5) Balance being unpaid value of work done held in reserve.	
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7) Net amount due to or from Contractor unadjustments items.	
8) Advance to Contractor for materials brought to site (as detailed) within.	
9) Value of Government materials supplied.	
Total amount adjusted -	

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

Contractor's Signature

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Witness
1.
2.
Dated Signature of Contractor

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Stamp

Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....
Initials of Officer making payment

(Entries in the Office)

Executive Engineer

Sl No	Description of work
1	KSRB 2-1.1 Earth work in surface excavation in hard soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains a trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dresse disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. Specification No KBS 2.1(a) / 2
2	KSRB 2-2.2 Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in widt in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation wi lead upto 50m specification, specification No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2014-15
3	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turnin for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 141 and KSRB M.100.4.1 costof haulage excluding loadin and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 141 (SR 2014-15)
4	KSRB-4-1.3 Providing and laying in position plain cement concrete of mix M7.5 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2, No.
5	KSRB 4.2.2 Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No 4.11/ PWD SR 2014-15
6	KSRB 5.2.3 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2014-15
7	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:8, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 26/ Item No. 5.9/ PWD SR 2014-15
8	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 122/ Item No. 15.1 PWD SR 2014-15
9	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, No. 6/ Item No. 2.10/ PWD SR 2014-15
10	KSRB 4-6.6 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for columns, pillars, piers, post and struts, circular or curved in plan including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 17/ Item No. 4.33/ PWD SR 2014-15
11	KSRB 5-14 Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S. 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 25/ Item No. 5.27/ PWD SR 2014-15
12	KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2014-15
13	KSRB 15.3.1 Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever reuired smooth rendering, : Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. Page No. 122/ Item No. 15.11/ PWD SR 2014-15
14	KSRB 15-16 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications, with primer page No.114 item No.15.53.2/PWD SR 2014-15
15	Fabricating supplying and erecting M.S. TubulerTruss of span upto 10m bottom and top member is provided with 50x50x6mm double equale angles, welded back to back and in between top and bottom line, in ereas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided all the members are weldeded toghter with 6mm gusset plate as per drawing. The enter truss is anchored in RCC column buy using 4Nos of M.S anchor bolts at eacth support, with 10mm thick base plate and shoe plate. The work includes cutting, straightening , pacing in position of M.S angle and welding wherever necessary, and applying one of red oxide primer coat to all the members including cost of all materials, labour charges,and higher charges of mechineries for cutting welding, granding and erection equipments, with all lead and lift, transportation, etc, complete as per specification. Page No. 45/ I No. 7.29/ PWD SR 2016-17
16	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trpezoidal profiled sheet of approved make 1060mm width (1000mm cover width), 28-30 mm crest height with cest distance of 200 mm c/c with 2ribs at the center for stiffening , The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc –Alu Alloy coating AZ 150 gsm as pe ASTM 1397/A755-550 mpa steel grade. 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling /self tapping screws of 25mm length,to be fixed over the existing purlins, rafters channel and trusses. No 300/ Item No. 38.30 PWD SR 2016-17
	B) Electrification work for Rangamandhira
	pointing wiring using copper with switch: Supplying and wiring adoping loop system in exiting PVC conduit/casing caping using copper PVC insulated multi strand 2 x1.5 sqmm coper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of wires shall be terminated with sufficient loose length in a wood/PVC round block. Complete for each outlet.II point wiring using class B materials (3/6) a) Short point upto 3 mtrs from tapping point to out let via switch
	Medium point above 3Mtrs upto 6Mtrs from taping point to out let via switch
	a) Long point above 6Mtrs upto 10 Mtrs from tapping point to out let via switch
	Wiring for lightin/power circuit using one of PVC insulted 1100v grade,multistrand copper conductor single core cable in open or consealed system of wiring.II Group B e) 6 sqmm (9/20)
	Groove Cutting : Supplying ... dia 2mm/2.5mm thick heavy gauage PVC Conduit Pipe with bends metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary a) 19/20mm dia 2mm thick (2/3)
	Supplying and fixing PVC/metal conduit accessories special type Junction Box a) 19/20mm junction box (3/5)